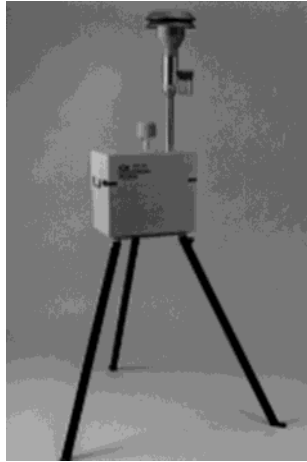


PM 2.5 Monitoring Equipment



BGI PQ200

- Gravimetric Method
- FRM
- Filter changed for each 24 run
- 1/3 or 1/6 run schedule
- Labor Intensive Method



MET ONE BAM 1020

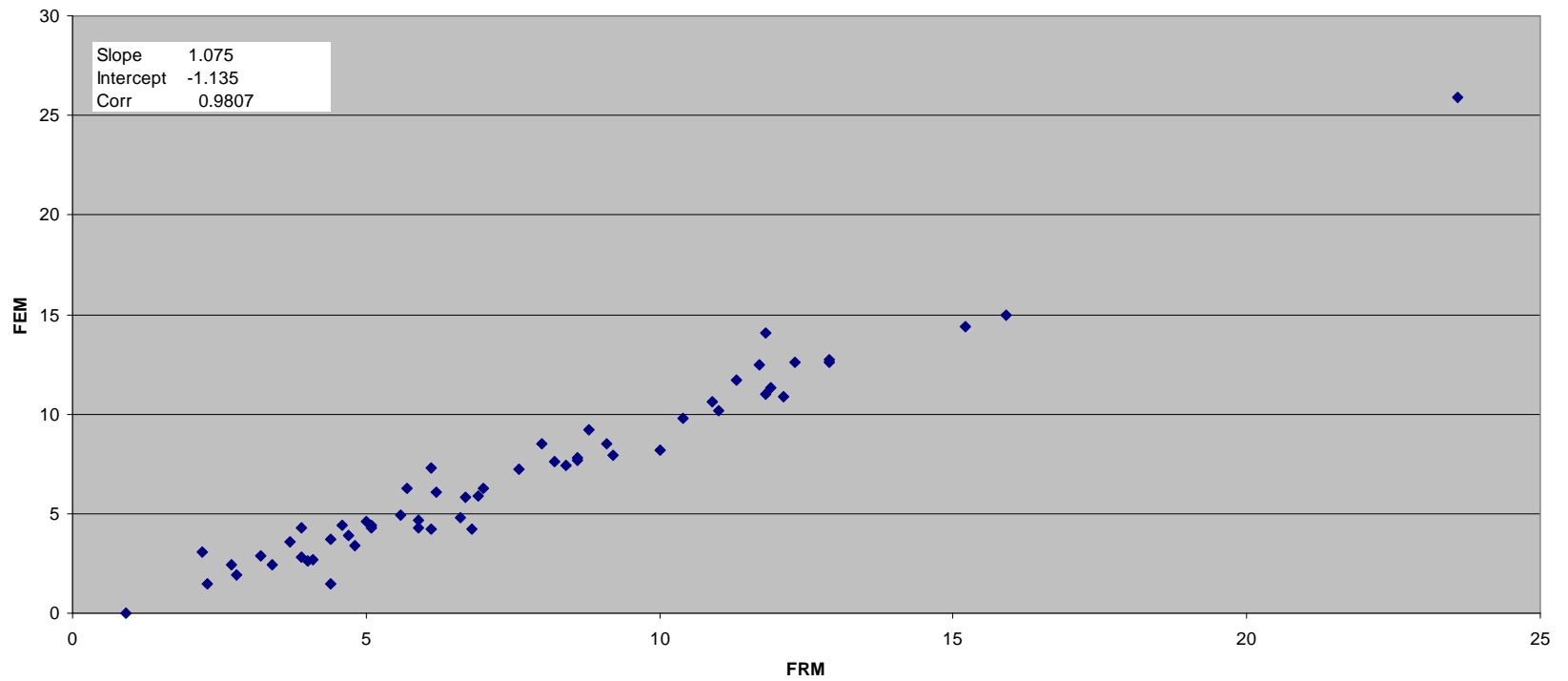
- Bata Attenuation
- Both FEM and Non- FEM
- Simi-Continuous Method
- Data 24 hours a day
- Less Labor



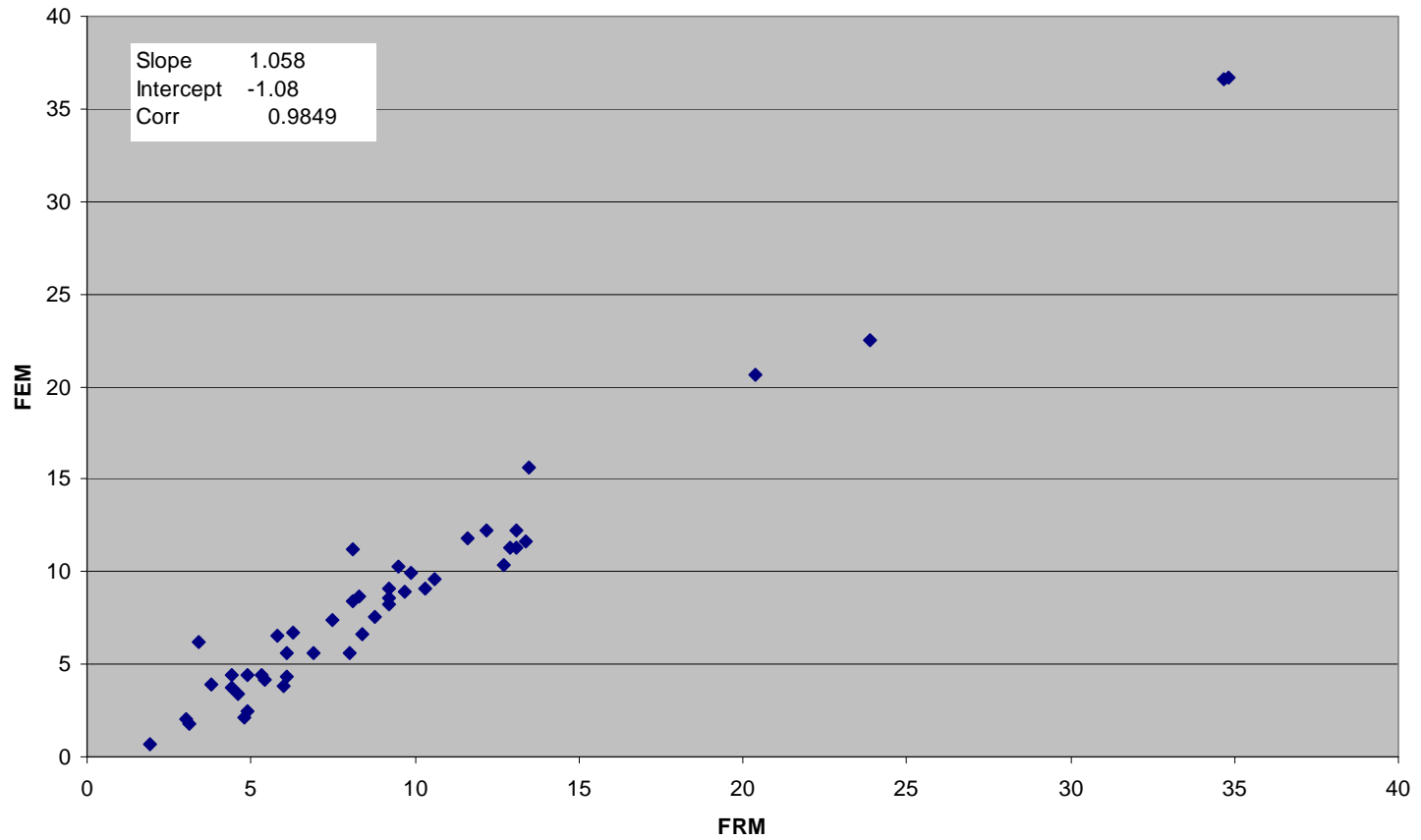
Co-Location

- We are currently co-locating FEM BAMs with FRM monitors at two sites
- Hamilton
- Helena
- We have about two quarters data available

Helena-Lincoln School
FEM/FRM



Hamilton
FEM/FRM



MET ONE E-BAM



- Portable BATA Attenuation Monitor
- Not FEM or FRE
- Used for short term monitoring
- Also used to prospect for new sites and verify old sites

Libby Site Verification Study

- There were questions raised about the suitability of the Libby Court House Annex Site
- E-BAMs were operated at two sites in the neighborhood of the Court House Annex
- The same E-BAMs were then co-located with the Court House Annex samplers
- Data was compared with the following results

Libby



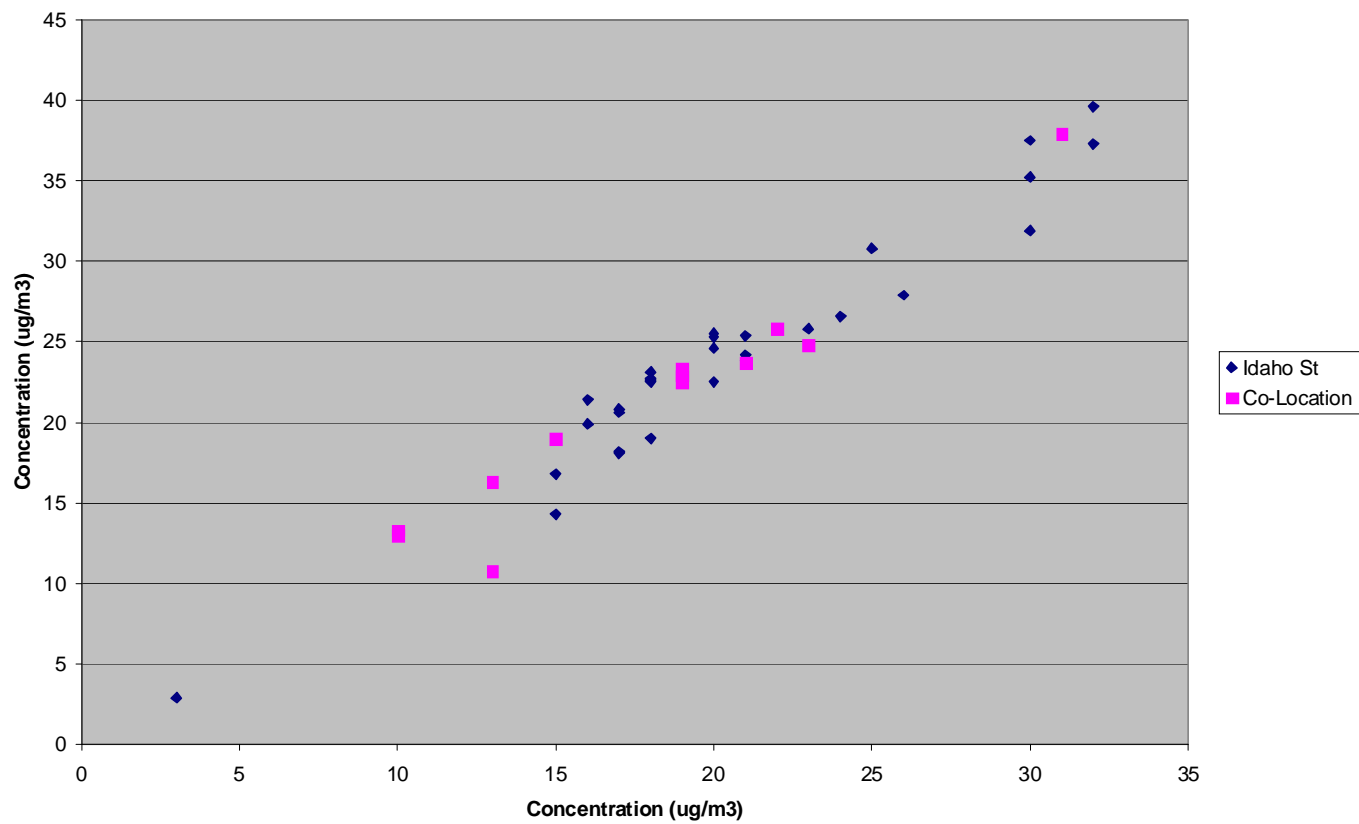




Idaho St
Slope 1.178
Intercept -.052
r .9725
Average % Difference 3.8

Co-Located
Slope 1.178
Intercept .169
r .9690
Average % Difference 4.0

Court House Annex / Idaho ST Comparison



Montana St
Slope 1.230
Intercept -1.142
r .9653
Average % Difference 3.5

Co-Located
Slope 1.2265
Intercept -2.129
r .9770
Average % Difference 3.0

